Resonant Arc Vortex Open Knowledge Charter

Inspiration & Acknowledgment

This project is inspired in part by R. A. Ford's *Homemade Lightning* (Chapter 20), where he discussed self-contained electrical phenomena that hinted at natural ball-lightning processes.
The **Resonant Arc Vortex (RAV)** is a new, independently developed system that extends these ideas into:

- sustained plasma confinement,
- high-field micro-vortex behavior, and
- experimental energy and propulsion research.

The mission of this license is simple:
To ensure that RAV knowledge remains open to all humanity.

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1. Purpose

This license makes the design, methods, and foundational research of the **Resonant Arc Vortex (RAV)** freely available for:

- scientific exploration,
- education,
- personal experimentation,
- and non-commercial research.

The goal is to protect open access while preventing premature or uncontrolled commercialization.

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2. Permissions (What You May Do)

Under this license, you are free to:

2.1 Use

Study, replicate, and experiment with the RAV system.

2.2 Share

Copy and distribute this material in any format.

2.3 Adapt

Modify, expand, remix, or build upon RAV concepts for non-commercial research or educational purposes.

2.4 Publish

You may publish your findings, improvements, diagrams, analyses, and experimental results.

These freedoms require proper attribution to the original author: *Shawn Calderon (2025)*.

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3. Restrictions (What You May NOT Do)

3.1 Commercial Use

You may not sell, license, or monetize RAV-based systems, designs, derivatives, or applications without written permission from the author.

3.2 Patents

You may not file for patents or claim intellectual property rights over:

- RAV concepts,
- RAV derivatives,
- variations of the RAV apparatus,
- or methods described in this license.

This ensures the RAV remains open to all.

3.3 Attribution Required

All public use must clearly credit the original creator.

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4. Commercial Licensing

If you or your organization wish to:

- develop products,
- integrate RAV principles into commercial work,

- or explore commercial RAV applications,

you must obtain a formal commercial license directly from the author.

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5. Liability & Safety

The RAV involves:

- high voltage (5–60 kV),
- plasma arcs,
- thermal hazards,
- UV/IR output,
- and in some cases vacuum systems.

This is inherently dangerous.

5.1 “As-Is” Disclosure

The information is provided **as is**, without warranty or guarantee.

5.2 Personal Responsibility

You are solely responsible for:

- your safety,
- your equipment,
- compliance with local laws,
- and ensuring the safe operation of high-voltage devices.

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6. Open Science Responsibility

By using this license, you agree to uphold the spirit of open science:

- share your improvements openly,
- do not restrict others,
- contribute knowledge back to the RAV community,
- respect the boundary between open research and commercialization.

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7. Stewardship & Governance

The RAV project is stewarded and curated by its founder:

Shawn Calderon
Founder & Principal Researcher
Resonant Arc Vortex Initiative (2025)

Contributors are credited individually in publications, guides, or appendices, but core ownership remains singular to maintain clarity and protect mission integrity.

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8. Human Summary

You are free to:

- build RAVs,
- study RAVs,
- share RAVs,
- publish RAV data,
- and improve the science.

You may **not**:

- patent RAVs,
- sell RAV systems,
- or commercialize RAV concepts without authorization.

Together we maintain an open, humanitarian scientific frontier.

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9. Signature

By using this document, you acknowledge and accept these terms.

Signature: _____
Printed Name: _____
Date: _____